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Substitute for form 1449A/PTO		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
				Application Number	10/674,124
		Filing Date	September 26, 2003		
		First Named Inventor	INOKO, HIDETOSHI		
		Art Unit	Not Yet Assigned		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	TECH-003CIP

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
T.O.		US- 2004/0038272		02/16/2004	Jou et al.	
		US-				
		US-				
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FOREIGN PATENT DOCUMENTS							
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		Country Code ² -Number ² -Kind Code ² (if known)					

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Examiner Signature	Thomas O'Connell	Date Considered	11/29/06
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PTO/SB/08a (05-03)

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T.O.		US- 5,683,880	11/04/1997	Kamb	
		US-			
		US-			

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
T.O. ↓		WO 97/31011	08/28/1997	The Regents of the University of Michigan		
		WO 02/50307	06/27/2002	Chugal Selyaku Kabushiki Kaisha		✓

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T.O.		BARCELLOS, et al., "Association mapping of disease loci, by use of a pooled DNA genomic screen," American Journal of Human Genetics, (1997) vol. 61, no. 3, pgs. 734-747.	
↓		COX T C et al., "A very high density microsatellite map (1 STR/41 kb) of 1.7 Mb on Xp22 spanning the microphthalmia with linear skin defects (MLS) syndrome critical region," European Journal of Human Genetics: EJHG. England 1998 Jul- Aug., 6, pgs. 406-412.	
T.O.		GenBank Accession No. AF003650 Homo sapiens clone CxM18 MLS syndrome critical region microsatellite sequence, sequence tagged site (Jan. 5, 1999)	
↓		GYAPAY, et al., "The 1993-94 genethon human genetic linkage map," Nature Genetics, US (June 1994) vol. 7, no. 2, pgs. 246-339.	
↓		Van HEEL, et al., "Identification of novel polymorphisms in the β7 integrin gene: family-based association studies in inflammatory bowel disease," Genes and Immunity (2001) vol. 2, no. 8, pgs. 455-460.	
↓		IMMERVOLL, et al., "Fine mapping and single nucleotide polymorphism association results of candidate genes for asthma and related phenotypes," Human Mutation (2001) vol. 18, no. 4, pgs. 327-336	

Examiner Signature	<i>Thomas H. O'Connell</i>	Date Considered	1/26/06
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T.O.	HIROTA, et al., "Genome-wide microsatellite association studies for parkinson's disease by using the pooled DNA method," American Journal of Human Genetics, (Nov. 2003) vol. 73, no. 5, page 469 Abstract 1754.
↓	SHIINA, et al., "Molecular dynamics of MHC genesis unraveled by sequence analysis of the 1,796,938-bp HLA class I region," Proceedings of the National Academy of Sciences of the United States of America. US, (11/9/1999) vol. 96, no. 23, pgs. 13282-13287.
↓	SHIOZAWA, et al., "Identification of the gene loci that predispose to rheumatoid arthritis," International Immunology, (Dec. 1998) vol. 10, no. 12, pgs. 1891-1895.
T.O.	YOSHIKAWA, et al., "An efficient application of maldi-to/ms coupled with microarray for detection of microsatellite polymorphism," American Journal of Human Genetics, (Oct 2001) vol. 69, no. 4, page 464, Abstract 1651.

Examiner Signature	<i>Thomas J. O'Connell</i>	Date Considered	1/24/06
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		Country Code*-Number*-Kind Code* (if known)				
T.O.		WO 94/25625	11/10/1994	The Johns Hopkins University		

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
		TAMIYA, et al., "MHC Ryouiki to Kansens", Idenshi Igaku, vol. 3, no. 1, pgs. 54-62, 1999	
		TAMIYA, et al., "Genome tayousei kaiseki ni yoru shikkan kanjusei idenshi no mapping: SNP to micro satellite no hikaku", Molecular Medicine, vol. 37, no. 5, pgs. 526-531, April 25, 2000	
T.O.		OKA, et al., "Association analysis using refined microsatellite markers localizes a susceptibility locus for psoriasis vulgaris within a 111 kb segment telomeric to the HLA-C gene", Human Molecular Genetics, vol. 8, no. 12, pgs. 2165-2170, 1999	
I		KEICHO, et al., "Fine localization of a major disease-susceptibility locus for diffuse panbronchiolitis", Am. J. Hum. Genet., vol. 66, pgs. 501-507, 2000.	
I		KIMURA, et al., "Mapping of the HLA-linked genes controlling the susceptibility to Takayasu's arthritis", International Journal of Cardiology, Vol. 75, pp. S1Q5-S110, 2000	
✓		MIZUKI, et al., "Localization of the Pathogenic Gene of Behcet's Disease by Microsatellite Analysis AV of Three Different Populations", Invest. Ophthalmol Vis Sci, Vol. 41, No. 12, pp. 3702-3708, November, 2002	

Examiner Signature	<i>Thomas O'Hare</i>	Date Considered	1/30/06
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Sheet	2	of	2

4.0.	MATSUZAKA, et al., "New polymorphic microsatellite markers in the human MHC class II region", Tissue Antigens, Vol. 56, pp. 492-500, 2000
1	OTA, et al., "A Second Susceptibility Gene for Developing Rheumatoid Arthritis in the Human MHC AX is Localized within a 70-kb Interval Telomeric of the TNF Genes in the HLA Class III Region", Genomics, Vol. 71, pp. 263-270, 2001
	MIZUKI, et al., "Microsatellite Mapping of a Susceptible Locus Within the HLA Region for Beliefs Disease Using Jordanian Patients", Human Immunology., Vol. 62, pp. 186-190, 2001
	MATSUZAKA, et al., "Identification of novel candidate genes in the diffuse panbronchiolitis critical region of the class I human MHC", Immunogenetics. Vol. 54, pp. 301-309, 2002
	MATSUZAKA, et al., "Susceptibility locus for non-obstructive azoospermia is localized within the HLA-DR/DQ subregion: Primary role of <i>DQB1*0604</i> ", Tissue Antigens. Vol. 60, pp. 53-63, 2002
	NIIZEKI, et al., "Polymorphisms in the TNF region confer susceptibility to UVB-induced impairment of contact hypersensitivity induction in mice and humans", Methods, Vol. 28, pp. 46-54, 2002
V	OKA, et al., "Identification of psoriasis vulgaris-susceptible gene within HLA class I antigen", The 22 nd Annual meeting Pf MBSJ, IP-1334, November 22, 1999

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